

INTRUSION TOLERANT SERVER SYSTEM
ABSTRACT OF THE DISCLOSURE

The invention relates to a reconfigurable scalable intrusion-tolerant network that
5 is interposed between a service requesting client and a protected server to minimize the
impact of intrusive events. The apparatus may include a proxy server for receiving the
requests from a client and forwarding them to a protected server. Acceptance monitors
receive the response from a protected server and apply one or more acceptance tests. A
ballot monitor receives the result of the acceptance tests and determines a response to the
10 client. The network may also include an intrusion sensor to detect threats to the network
and a reconfigurer to alter the network forwarding scheme. Reconfiguration may include
isolating network elements, creating parallel paths, implementing redundant operations,
or assessing the validity of responses.